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***** Welcome to STN International *****

NEWS 1 Web Page for STN Seminar Schedule - N. America
NEWS 2 JUL 28 CA/CAPLUS patent coverage enhanced
NEWS 3 JUL 28 EPFULL enhanced with additional legal status
information from the EPOline Register
NEWS 4 JUL 28 IFICDB, IFIPAT, and IFIUDB reloaded with enhancements
NEWS 5 JUL 28 STN Viewer performance improved
NEWS 6 AUG 01 INPADOCDB and INPAFAMDB coverage enhanced
NEWS 7 AUG 13 CA/CAPLUS enhanced with printed Chemical Abstracts
page images from 1967-1998
NEWS 8 AUG 15 CAOLD to be discontinued on December 31, 2008
NEWS 9 AUG 15 CAPLUS currency for Korean patents enhanced
NEWS 10 AUG 27 CAS definition of basic patents expanded to ensure
comprehensive access to substance and sequence
information
NEWS 11 SEP 18 Support for STN Express, Versions 6.01 and earlier,
to be discontinued
NEWS 12 SEP 25 CA/CAPLUS current-awareness alert options enhanced
to accommodate supplemental CAS indexing of
exemplified prophetic substances
NEWS 13 SEP 26 WPIDS, WPINDEX, and WPIX coverage of Chinese and
and Korean patents enhanced
NEWS 14 SEP 29 IFICLS enhanced with new super search field
NEWS 15 SEP 29 EMBASE and EMBAL enhanced with new search and
display fields
NEWS 16 SEP 30 CAS patent coverage enhanced to include exemplified
prophetic substances identified in new Japanese-
language patents
NEWS 17 OCT 07 EPFULL enhanced with full implementation of EPC2000
NEWS 18 OCT 07 Multiple databases enhanced for more flexible patent
number searching
NEWS 19 OCT 22 Current-awareness alert (SDI) setup and editing
enhanced
NEWS 20 OCT 22 WPIDS, WPINDEX, and WPIX enhanced with Canadian PCT
Applications
NEWS 21 OCT 24 CHEMLIST enhanced with intermediate list of
pre-registered REACH substances

NEWS EXPRESS JUNE 27 08 CURRENT WINDOWS VERSION IS V8.3,
AND CURRENT DISCOVER FILE IS DATED 23 JUNE 2008.

NEWS HOURS STN Operating Hours Plus Help Desk Availability

NEWS LOGIN Welcome Banner and News Items
 NEWS IPC8 For general information regarding STN implementation of IPC 8

Enter NEWS followed by the item number or name to see news on that specific topic.

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* * * * * STN Columbus * * * * *

FILE 'HOME' ENTERED AT 11:27:29 ON 14 NOV 2008

=> file caplus		
COST IN U.S. DOLLARS	SINCE FILE	TOTAL
	ENTRY	SESSION
FULL ESTIMATED COST	0.21	0.21

FILE 'CAPLUS' ENTERED AT 11:27:40 ON 14 NOV 2008
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FILE COVERS 1907 - 14 Nov 2008 VOL 149 ISS 21
 FILE LAST UPDATED: 13 Nov 2008 (20081113/ED)

Caplus now includes complete International Patent Classification (IPC) reclassification data for the second quarter of 2008.

Effective October 17, 2005, revised CAS Information Use Policies apply. They are available for your review at:

<http://www.cas.org/legal/infopolicy.html>

```
=> s alkyl (2w) branched (2w) fatty (2w) acid
    621466 ALKYL
    6734 ALKYL
    624509 ALKYL
        (ALKYL OR ALKYL)
    84729 BRANCHED
        1 BRANCHEDS
    84730 BRANCHED
        (BRANCHED OR BRANCHEDS)
```

```

412473 FATTY
      14 FATTIES
412477 FATTY
      (FATTY OR FATTIES)
4708515 ACID
1660749 ACIDS
5228331 ACID
      (ACID OR ACIDS)
L1      22 ALKYL (2W) BRANCHED (2W) FATTY (2W) ACID

=> l1 and (linear (2w) fatty (2w) acid#)
L1 IS NOT A RECOGNIZED COMMAND
The previous command name entered was not recognized by the system.
For a list of commands available to you in the current file, enter
"HELP COMMANDS" at an arrow prompt (=>).

=> s l1 and (linear (2w) fatty (2w) acid#)
      665225 LINEAR
      73 LINEARS
      665264 LINEAR
      (LINEAR OR LINEARS)
      412473 FATTY
      14 FATTIES
      412477 FATTY
      (FATTY OR FATTIES)
      5229988 ACID#
      464 LINEAR (2W) FATTY (2W) ACID#
L2      0 L1 AND (LINEAR (2W) FATTY (2W) ACID#)

=> s l2 and separat?
      443452 SEPARAT?
      319341 SEP
      12771 SEPS
      330863 SEP
      (SEP OR SEPS)
      493602 SEPD
      2 SEPDS
      493604 SEPD
      (SEPD OR SEPDS)
      115829 SEPG
      634194 SEPN
      40883 SEPNS
      654917 SEPN
      (SEPN OR SEPNS)
      1613713 SEPARAT?
      (SEPARAT? OR SEP OR SEPD OR SEPG OR SEPN)
L3      0 L2 AND SEPARAT?

=> s l1 and fraction?
      945225 FRACTION?
L4      1 L1 AND FRACTION?

=> d l1 ibib abs

L1 ANSWER 1 OF 22 CAPLUS COPYRIGHT 2008 ACS on STN
ACCESSION NUMBER: 2008:1246311 CAPLUS
TITLE: Synthesis of alkyl-branched

```

fatty acids
AUTHOR(S): Biermann, Ursula; Metzger, Juergen O.
CORPORATE SOURCE: Department of Pure and Applied Chemistry, University
of Oldenburg, Oldenburg, Germany
SOURCE: European Journal of Lipid Science and Technology
(2008), 110(9), 805-811
CODEN: EJLTFM; ISSN: 1438-7697
PUBLISHER: Wiley-VCH Verlag GmbH & Co. KGaA
DOCUMENT TYPE: Journal
LANGUAGE: English
AB Alkyl-branched fatty compds. are of interest for industrial products in
the cosmetics and lubricant areas. In this review, clay- and
zeolite-catalyzed isomerizations of unsatd. fatty compds., especially of oleic
acid, are discussed. While clay-catalyzed reactions give most complex
mixts. of dimeric fatty acids and of monomeric so-called "isostearic
acid", the zeolite-catalyzed process yields preferentially an isomeric
mixture of isostearic acids having the Me branch on the 8-14 positions of
the alkyl chain. Synthetically useful addns. of alkyl radicals can only
be performed on ω -unsatd. fatty compds., whereas perfluoroalkyl
iodides were added to fatty compds. with terminal as well as internal
double bonds using electron transfer-initiated radical addition reactions.
Electrophilic addns. of alkyl carbenium ions generated by decomposition of
alkyl chloroformates by ethylaluminum sesquichloride give well-defined
alkyl-branched oleochems. with good yields.

=> d his

(FILE 'HOME' ENTERED AT 11:27:29 ON 14 NOV 2008)

FILE 'CAPLUS' ENTERED AT 11:27:40 ON 14 NOV 2008

L1 22 S ALKYL (2W) BRANCHED (2W) FATTY (2W) ACID
L2 0 S L1 AND (LINEAR (2W) FATTY (2W) ACID#)
L3 0 S L2 AND SEPARAT?
L4 1 S L1 AND FRACTION?

=> log off

ALL L# QUERIES AND ANSWER SETS ARE DELETED AT LOGOFF

LOGOFF? (Y)/N/HOLD:y

STN INTERNATIONAL LOGOFF AT 11:31:15 ON 14 NOV 2008